

# Best Available Copy

CZ283459

XP 002389199

FR - CZ9600843 A3 19971015

INFF - CZ283459 B6 19980415

TI - (A3 B6) MIXTURE FOR REFRACTORY PURPOSES

AB - (B6) This mixture for refractory purposes containing 22 to 93.6% by weight of milled silicate Portland clinker and/or white cement according to the weight of the mixture, and 5 to 77% by weight, according to the weight of the mixture and other substances for preparing refractory materials selected from the group consisting of finely ground metallurgical clinker, blast-furnace granulated clinker, ash, products of the calcination of aluminosilicates, pozzolans, refractory grog and/or a finely ground filling selected from the group of substances consisting of burnt clay, Dinas clay, bunit mud rock and corundum, and also 1 to 10% by weight, according to the weight of a mixture of substances based on  $Al_2O_3$ , is based on the fact that Portland clinker and/or white cement is free of plaster stone and the mixture contains 1 to 30% by weight of reactive substances based on  $Al_2O_3$  consisting of  $Al_2O_3$ , hydrated  $Al_2O_3 \cdot nH_2O$  and/or bauxite and/or laterite with a particle size below 150 micrometers according to the weight of the mixture of the Portland clinker and/or white cement with reactive substances based on  $Al_2O_3$ , and 0.001 to 2% by weight of milling ingredients according to the weight of the mixture of Portland clinker and/or white cement with reactive substances based on  $Al_2O_3$ . In addition, it may contain 0.1 to 5% by weight, according to the total mixture, of the hydrolysable salt of an alkaline metal selected from the group consisting of carbonates, hydrogen carbonates and silicates of alkaline metals, and 0.1 to 5% by weight, according to the total mixture, of a plasticizing additive based on anionic a tenside stable in a medium with a pH greater than 7 selected from the group of substances consisting of ligninsulphonates of alkaline metals, sulphonated lignin, sulphonated polyphenolate, naphthalene sulphonate, the sulphonated product of the condensation of melamine with formaldehyde, and/or 0.1 to 20% by weight of  $SiO_2$  fly ash from metallurgical production, and/or 0.1 to 5% by weight of the setting regulators of gypsum-free cements selected from the group of substances consisting of organic hydroxyacids, boric acid, organosilicon compounds or phosphates. <IMAGE>

PA - (A3 B6) VSCHT [CZ]

IN - (A3 B6) SEVČIK VACLAV ING [CZ]; SKVARA FRANTISEK DOC RNDR DRSC [CZ]

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